

NEW RECORDS FOR SOME CANADIAN HORSE FLIES AND DEER FLIES (DIPTERA: TABANIDAE)¹

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ABSTRACT: *Hybomitra brennani* is recorded from Alberta; *Tabanus nigrovittatus* is recorded from Cape Breton Island, northern New Brunswick, and Quebec; *Chrysops fuliginosus* is recorded from Quebec; *Haematopota rara*, *Atylotus duplex*, *Atylotus thoracicus*, *Chrysops aberrans*, *Chrysops delicatulus*, *Chrysops montanus*, and *Tabanus reinwardtii* are recorded from New Brunswick.

Hybomitra brennani (Stone) is considered an eastern species as Philip (1965) gave its distribution as New Hampshire and Quebec. On 14 July 1973, I collected three females in a Manitoba fly trap located in a *Sphagnum* bog, 32 km southeast of the town of Slave Lake, Alberta. I have also seen another 20 females taken in a similar trap in the same vicinity by R.L. Hooper, 3 — 29 July 1973.

Tabanus nigrovittatus Macquart is a salt marsh species with a range along the Atlantic coast to Prince Edward Island (Pechuman 1964). On 23 August 1977, I took three females, attacking man, on Cheticamp Island, Inverness County, Cape Breton Island, Nova Scotia. Between 28 July and August 2, 1979, specimens of *T. nigrovittatus* were collected from nine localities from Neguac, Northumberland County on the northeast coast of New Brunswick to Charlo, Restigouche County on the Bay of Chaleur, New Brunswick. The intermediate localities are not listed as I expect this species to be present in all salt marsh habitats along this coastline. One female was collected, attacking man, at Miguasha, Gaspé Peninsula, Quebec, on 1 August 1979.

Chrysops fuliginosus Wiedemann is a salt marsh species ranging from Florida to Nova Scotia (Philip 1965). On 1 August 1979, one female was taken, attacking man, in a salt marsh at Pointe-à-la-Garde, on the Bay of Chaleur, Gaspé Peninsula, Quebec.

Thomas (1978) recorded 43 species of tabanids from New Brunswick. During 1978 and 1979, a further 8 species were collected:

Haematopota rara Johnson; 1 female in flight trap, 21 July 1978, Bull Pasture Bog, Sunbury Co.

Atylotus duplex (Walker); 2 males, 1 female in flight trap, 9-14 July 1979, Fredericton, York Co.

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- Atylotus thoracicus* (Hine); 15 males, 15 females in flight trap, 13-26 July 1978, Bull Pasture Bog, Sunbury Co.
- Chrysops aberrans* Philip; 37 females in flight trap and attacking man, 19-25 July 1978, Moores Mills, Charlotte Co.; 56 females, attacking man, 19 July — 17 August 1979, Scotch Ridge, Charlotte Co.
- Chrysops delicatulus* Osten Saken. This species was recorded as occurring in New Brunswick by McIntosh (1903). The specimens collected were to be deposited in the United States National Museum, Washington. The specimens were apparently lost as Philip (1965) gave Maine as the northeast limit and Pechuman (1974 *in litt.*) gave southern Quebec and southern Maine as the northern limit. I collected four females in a *Sphagnum* bog, 13-15 July 1979, using a Manitoba fly trap, about 5 km north of Lepreau, Charlotte Co.
- Chrysops fuliginosus* Wiedemann; 12 females attacking man and in a Manitoba fly trap, 13-15 July 1979, Chance Harbour, Saint John Co.
- Chrysops montanus* Osten Sacken; 1 female in flight trap, 19 July 1978, Moores Mills, Charlotte Co.
- Tabanus reinwardtii* Wiedemann; 1 female in flight trap, 10 July 1979, Fredericton, York Co.

These 8 species, together with *Hybomitra itasca* (Philip) collected by Lewis and Bennett (1977), bring the total number of species known from the province to 52.

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